

FIGURE 1

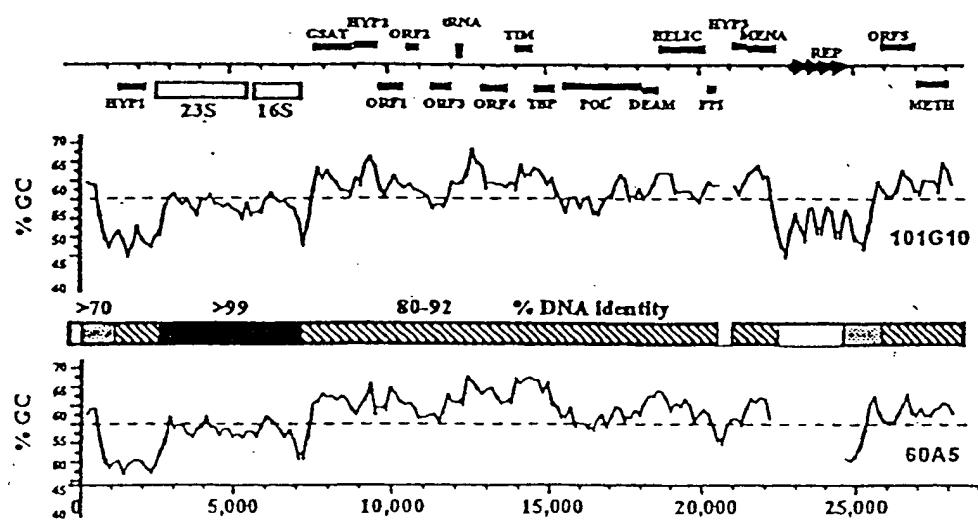


Figure 2

Gene	Strain	TATA Box	Coding Start	TATA to Start (b)
81 Hypoth 03	A	AAGCTAGACT TTTAAT TGGG ATCCGGCGGG CGGGCGCATG	-----	25
82	B	AAGCTAACT TTTAAT TGGG ATCCGGCGAG CGGGCGCGTG	-----	
83 Hypoth 02	A	GGAAACTTTG ATTATA CGGG CGTGCTGCC CGGGGGCCAT G-----	-----	26
84	B	GGAAACTTTG ATTATA CGGG CGTACATTCC CGGGGGCCAT G-----	-----	
85 ORF 02	A	AACGCCAAGGT AATAAT AGCC TGCCGCTGT AACGGCCGTA TG-----	-----	27
86	B	ACGGCAAGGT AATAAT AGCC TGCCGTCGGT ACCTGCGTA TG-----	-----	
87 ORF 03	A	CATGGAACTA GATATT AACC GGTTCCGCGG ATCCCATGCA TG-----	-----	27
88	B	CATGGAACTA GATAAT AACC GGTCCCGCGG GTACAATGCA TG-----	-----	
89 PPI	A	ATACCGAGAA GTTATA GCAG GGTATGGAAT GTGCCGCGGC ATG-----	-----	28
90	B	ACCACGACAA GTTATA GCAG GGTACAAAGG AGCAGCGCAC ATG-----	-----	
91 GSAT	A	ATCCGCCCTG ATTAAA TTAT GGGGGGAGCG GCCTGCTGCC GTG-----	-----	28
92	B	ATCCGGCCTC ATTAAA TTAC GGGGGTACA ACCTGCTGCC GTG-----	-----	
93 ORF 05	A	CCTTCATACA CATAAA TCCC GCTTGGATGT GCGGCTGCGC ATG-----	-----	28
94	B	ACTTCATACA CATAAA TCCC GCCTGAACCG TCGTCCGCGC ATG-----	-----	
95 deaminase	A	GGCATATAC CATAAT ATGC CGGGCGGTGG CACCATGGCC GTG-----	-----	29
96	B	CCGCATATAC CATAAT ATGC CGGGCGGGGG CAGGCTGCC .GTG-----	-----	
97 RNA helic	A	TGTACGAAAC CATAAA ACAA CAGGCCGCGT CAGGGCCGCG CGTG-----	-----	29
98	B	GGGTAGAAAC CATAAA ACAA CAGGCCGCGG CAGGGCG.CG CGTG-----	-----	
99 ORF 06	A	ACACGCAG TATAAA CGGG GCCCCGGGCG GCGCGTATCA CATG-----	-----	29
100	B	ATACACGTGG TATAAA CAGA GG.CCGGACG GCGGGACCA CATG-----	-----	
101 tRNA-tyr	A	GCGATAGTTA TTTAAA ACTA GGATGCCGAT CACCGATCGT CCCA-----	-----	29
102	B	GCGATAGTTA TTTAAA ACTA GGATGCCGGG CACCCGTCGT CCCA-----	-----	
103 TBP	A	CCGGGCCCCG GTTAAA ATAG CG.CACGGGC GGATCTGAC CAATG-----	-----	30
104	B	CCGGGCCCCG GTTAAA ATAG AGTGGCGGCCG GGCACCGGAT CAATG-----	-----	
105 TIM	A	GCGTCGATAG AATAAA TACG CGCAGGGGGC CCCGTGGCGC GATGCCCGT G-----	-----	36
106	B	GCGTCGATAG AATAAA TACG CGC.GGGGGC CGGGTGC... GATGCCCGT G-----	-----	
107 Hypoth 01	A	ATTTCAACTA CATAAA TGCC TAGTTACGCA GAAATAGCAA ACGACGTAATG TCGACTAATG	-----	45
108	B	ACTTCAACTA CATAAA TGCC TAGCTACGCA GAAATATCAA ACAAAGTACT TCGACTAATG	-----	
109 ORF 01	A	ACGGCAGGCT ATTATT ACCT TGCCTTGCGT TGTA //..G CGGGGTGGCGG CAGGGGATG	-----	52
110	B	ACGGCAGGCT ATTATT ACCT TGCCGTGT. TACA //..G AGGGGGCCTG CGGGAGATG	-----	
111 Methylase	A	CTACAAACGAT TTTAAG TCGG CGCCGGGGCA GCGG.//..G ATGTGGGGCA GGAAACATG	-----	104
112	B	CTACAAAGAT TTTAAG ACGG CGGGGTGCC GCGG.//..T GGCACGGGG CCTATCTTG	-----	
113 16S RNA	A	TCGGCGATGG TTTATA TGCC CATGGACGGG CCGATCCGAT CGTACGTGAC GC.//..AAT	-----	220
114	B	CGGGCGATGG TTTATA TGCC CATGGACAAG GCGATCCGAT CGTACGTGAC GC.//..AAT	-----	
Archaeal promoter consensus				
		YTTAWA		

10027806 - 042206

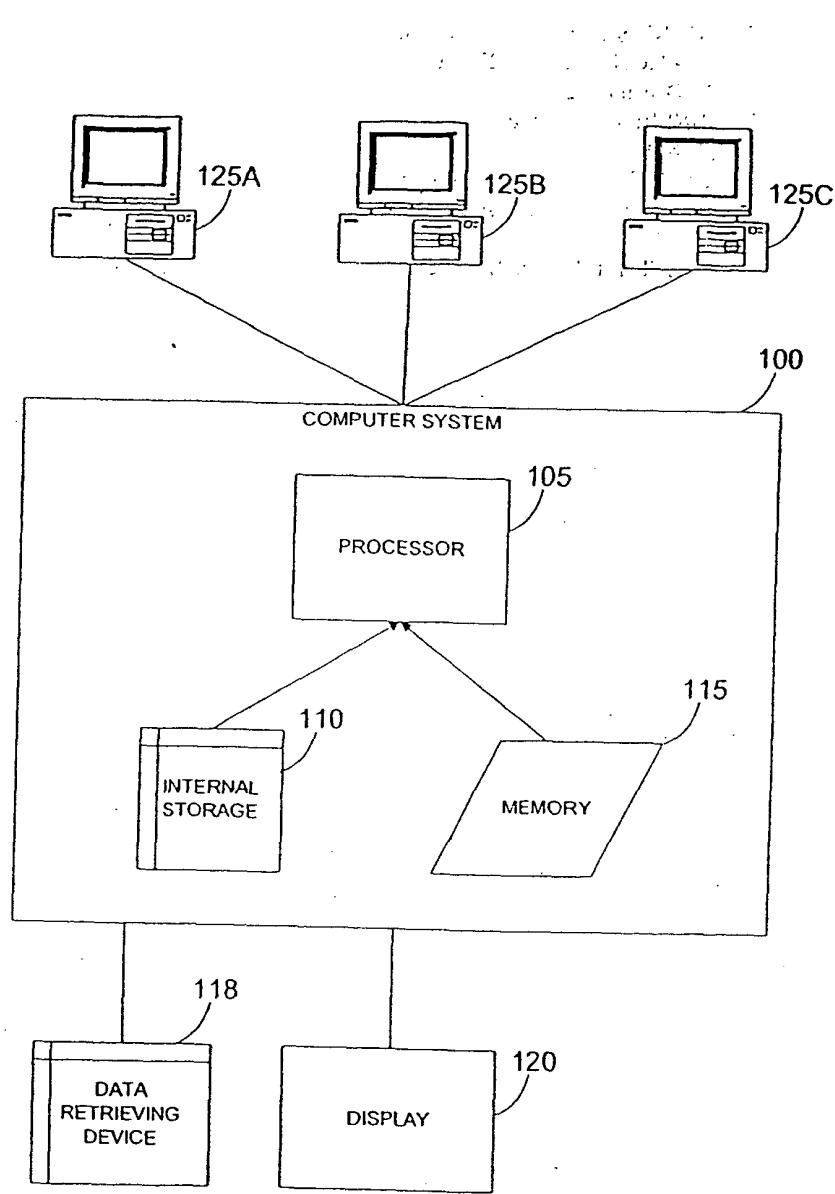


FIGURE 3

20027806 - 042202

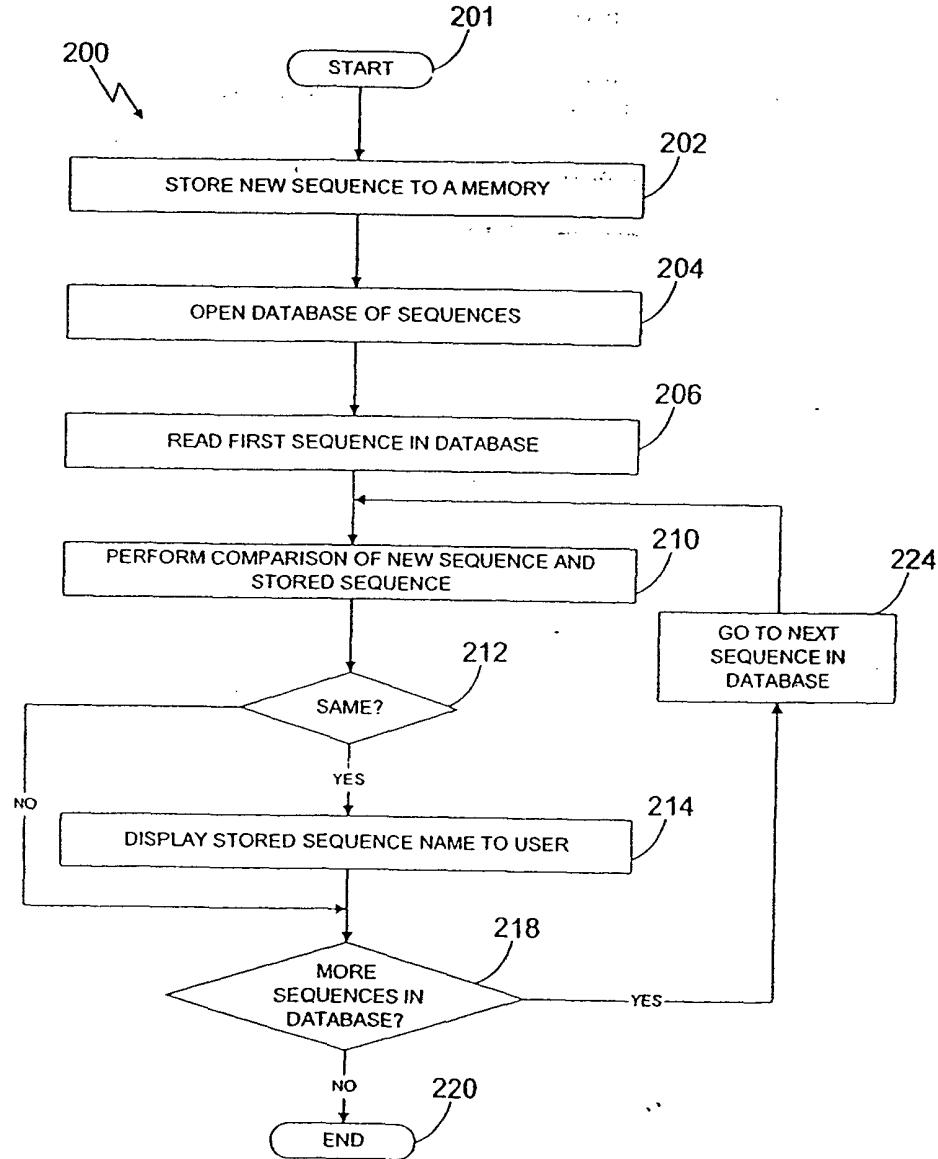


FIGURE 4

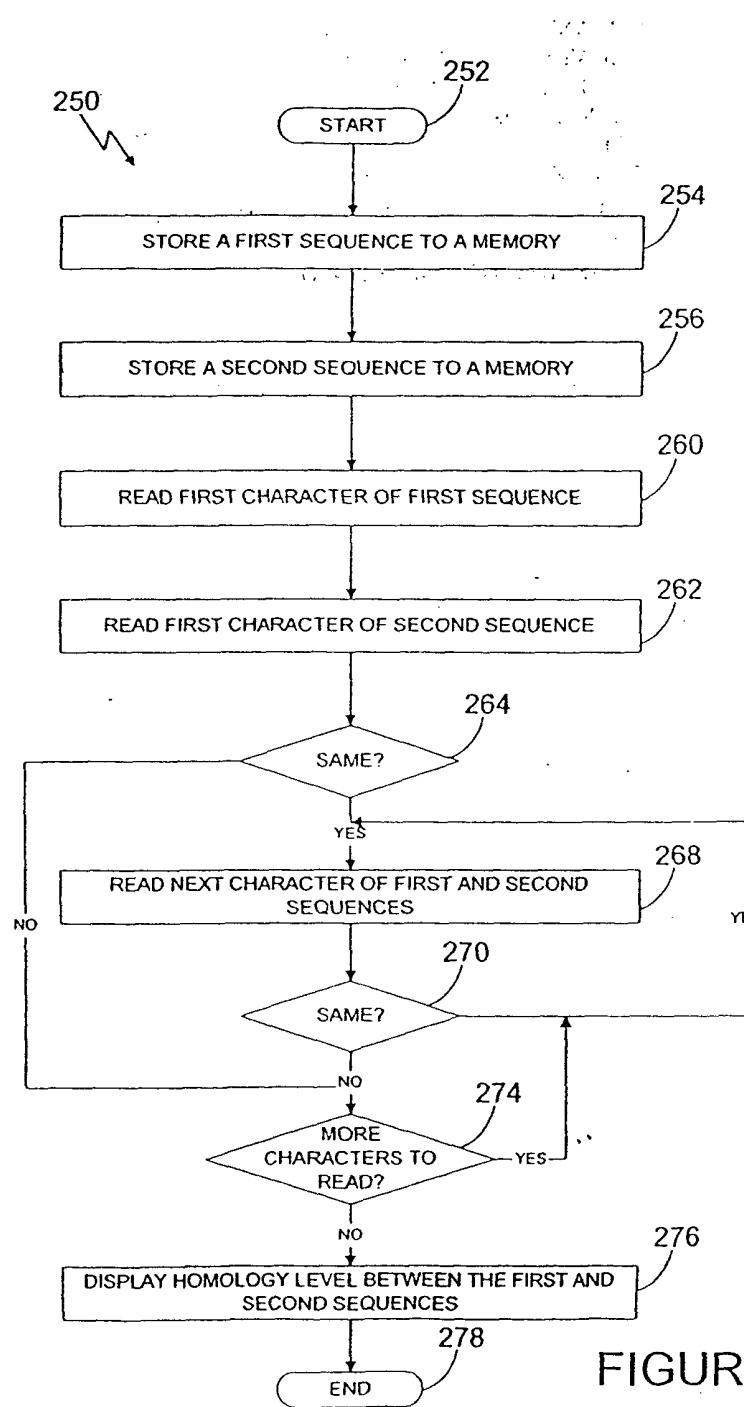


FIGURE 5

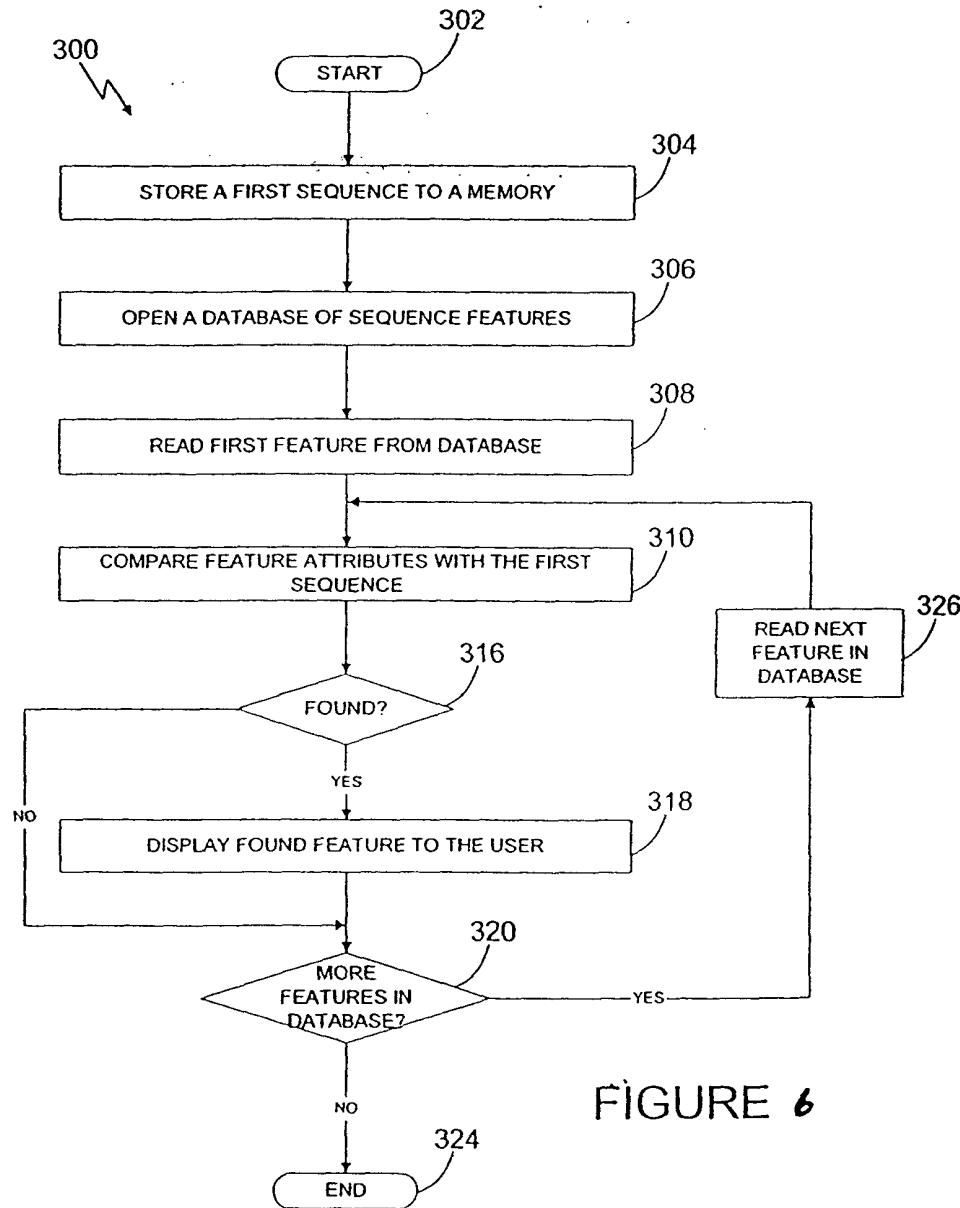


FIGURE 6